

20010330.qrp v02\_n143.qrl.20010330

Date: Fri, 30 Mar 2001 19:03:12 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 2143

### QRP-L Digest 2143

Topics covered in this issue include:

- 1) [95232] Re: Metal working question.  
by Dave Fouchey <dafouchey@home.com>
- 2) [95233] #^%&@+)\* Laptop computer ; ^((  
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 3) [95234] Re: St. Louis Radials  
by "Phil (VA3UX)" <phil@vaxxine.com>
- 4) [95235] PSK31 Audio Beacon errata  
by "George Heron N2APB" <n2apb@erols.com>
- 5) [95236] Re: Loading question  
by "John Moriarity" <k6qq@hdo.net>
- 6) [95237] [CONTEST] QRP Contest Calendar - April 2001  
by Ken Newman <N2CQ@citnet.com>
- 7) [95238] FOX: Cub scoring site and maps going away  
by John Wagner <john@neknetwork.com>
- 8) [95239] OPERATING - Scout Camporee  
by n5ib@juno.com
- 9) [95240] Solar Activity  
by "Chuck Adams, K7Q0" <k7qo@earthlink.net>
- 10) [95241] Antenna stuff  
by "Paul KB1GEJ" <cybrinjn@gis.net>
- 11) [95242] CQ Washington DC  
by Paul Womble <pwomble1@tampabay.rr.com>
- 12) [95243] radio pics  
by John Wagner <john@neknetwork.com>
- 13) [95244] Re: Antenna stuff  
by "Paul KB1GEJ" <cybrinjn@gis.net>
- 14) [95245] Re: Antenna stuff  
by "Paul KB1GEJ" <cybrinjn@gis.net>
- 15) [95246] Re: airport xrays  
by wb2vuo@juno.com
- 16) [95247] Antenna stuff reprise: on the brighter side.  
by "Paul KB1GEJ" <cybrinjn@gis.net>
- 17) [95248] Re: Loading question  
by Thomas Kuehl <ac7a@gci-net.com>
- 18) [95249] Re: warblers  
by Nancy Rabel Hall <kc4iyd@yahoo.com>
- 19) [95250] Speaker Question(s)

- by "Dennis Payton" <dpayton@fwi.com>
- 20) [95251] Whatever happened to W4CDF?  
by Pat Byers <pbyers@rttinc.com>
- 21) [95252] Propagation Chart  
by mugglesto@ecentral.com
- 22) [95253] Part with your QRPp?  
by "Brian P. Mileschosky" <n5zgt@swcp.com>
- 23) [95254] Fred VE3FAL in Xtreme Cub Hunt  
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 24) [95255] FOX: Cub scoring site and maps going away  
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 25) [95256] Re: Propagation Chart  
by "Karl F. Larsen" <k5di@zianet.com>
- 26) [95257] Off to Atlanticon!  
by "John L. Sielke" <w2agn@pobox.com>
- 27) [95258] Re: Metal working question.  
by "Alex Turner" <aturner13@triad.rr.com>
- 28) [95259] Atlanticon 2001 Bound  
by "Ron Polityka" <wb3aal@fast.net>
- 29) [95260] RE: [NJQRP] Off to Atlanticon!  
by "Brian B. Riley, N1BQ" <n1bq@wulfdn.org>
- 30) [95261] Re: Whatever happened to W4CDF?  
by Walter D Amos <walt\_amos@juno.com>
- 31) [95262] Re: Speaker Question(s)  
by "Mike Yetsko" <myetsko@insydesw.com>
- 32) [95263] CLUB: Newsletter  
by Shepherd@aol.com
- 33) [95264] Re: Whatever happened to W4CDF?  
by Macstein@aol.com
- 34) [95265] FOX: Scoring maps moved  
by John Wagner <john@neknetwork.com>
- 35) [95266] RARSFEST QRP update  
by Paul Stroud <aa4xx@ipass.net>
- 36) [95267] Century 21 Low Power Fix  
by "Upton, Shawn" <SUpton@ALLEGROMICRO.com>
- 37) [95268] Re: Whatever happened to W4CDF?  
by "Brian" <bmurrey@amexol.net>
- 38) [95269] IC-740 TX on 12M and 17M?  
by "Joel Kluender, NF9K" <nf9k@eudoramail.com>
- 39) [95270] BZ4DHI ..... ???????  
by "George Osier" <gosier@twcnny.rr.com>
- 40) [95271] Re: Whatever happened to W4CDF?  
by "John P. Cummins, Sr." <jpcummins@charter.net>
- 41) [95272] Epiphyte 3; LO instability  
by "Mike Branca" <w3irz@att.net>
- 42) [95273] Re: Solar Activity  
by "Paul Harden, NA5N" <na5n@rt66.com>
- 43) [95274] OT: Bruce R. - VE5RC

by John Wagner <john@neknetwork.com>  
44) [95275] FT:Toshiba Laptop PC  
by Bill Jones <kd7s@psnw.com>  
45) [95276] ATU Design  
by "Phinizy, William" <wphinizy@filenet.com>  
46) [95277] RE: RIT for SST?  
by "Coote, Jay" <JCoote@ci.arcadia.ca.us>  
47) [95278] Re: Metalworking question  
by "Patrick McVey" <mcveyp.MOHAVE@narbha.com>  
48) [95279] OT: World Amateur Radio Day?  
by Kenneth Hoglund <hoglund@wfu.edu>  
49) [95280] MS-15 RIT  
by Ed Vines <evines@garlic.com>  
50) [95281] Solar Activity  
by "Benedict B. Cruise" <b.cruise@worldnet.att.net>  
51) [95282] ArkieCon Pre-Registraion Ends Today!!  
by "Jay Bromley" <w5jay@alltel.net>  
52) [95283] Re: Whatever happened to W4CDF?  
by Bob Patten <n4bp@bc.seflin.org>  
53) [95284] A link to Antenna debugging information  
by "Stuart Rohre" <rohre@arlut.utexas.edu>  
54) [95285] Re: Propagation Chart  
by Bob Nielsen <nielsen@oz.net>  
55) [95286] Re: Solar Activity  
by Bob Nielsen <nielsen@oz.net>  
56) [95287] QST yet  
by "Kevin Muenzler, WB5RUE" <wb5rue@arrl.net>  
57) [95288] FW: Century 21 Low Power Fix  
by "Upton, Shawn" <SUpton@ALLEGROMICRO.com>  
58) [95289] Re: QST yet  
by "Karl F. Larsen" <k5di@zianet.com>  
59) [95290] Re: Propagation Chart  
by "Karl F. Larsen" <k5di@zianet.com>  
60) [95291] Public Electronics Circuit Archive  
by Daniel Bartlett <ausham@yahoo.com>  
61) [95292] RE: Propagation Chart  
by <schoon@amgt.com>  
62) [95293] Re: Gound mounted Vert. question  
by w6ors@juno.com  
63) [95294] Reminder for THE APRIL SPARTAN SPRINT  
by Russ Carpenter <russ@natworld.com>  
64) [95295] QRP in the desert  
by agtaylor@llnl.gov

-----  
Date: Thu, 29 Mar 2001 19:13:27 -0500  
From: Dave Fouchey <dafouchey@home.com>

To: aturner13@triad.rr.com, "Low Power Amateur Radio Discussion" <qrpl@Lehigh.EDU>  
Subject: [95232] Re: Metal working question.  
Message-ID: <4.1.20010329191227.0094a230@mail>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Greenlee Punches are the easiest way I know of, they are available from many home improvement centers and Graybar Electric Supply houses.

Dave  
WA4EMR/8

At 10:02 PM 3/28/2001 -0500, Alex Turner wrote:

>I think I could do more projects if I had an easy way of making holes in  
>aluminum and some small steel boxes. I usually use the largest drill bit I  
>have then a reamer and or my Dremel tool to get the hole to the right size.  
>Usually all I want is hole for a BNC or an SO-239. Is there an easy way to  
>accomplish this?  
>  
>Thanks  
>Alex Turner - N4BYJ

-----  
Date: Thu, 29 Mar 2001 19:39:57 -0500  
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>  
To: ".QRP-L Discussion Group" <QRP-L@Lehigh.edu>  
Cc: ")W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>  
Subject: [95233] #^%&@+)\* Laptop computer ; ^((  
Message-ID: <200103291940\_MC2-CAA8-1161@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable  
Content-Type: text/plain;  
          charset=ISO-8859-1  
Content-Disposition: inline

Gang:

Apparently have a virus in my laptop, so it is acting up something fierce=  
. =

So if I have not responded to some e-mails, sorry. Hoping to get everything back underway sometime this afternoon, depending on when the computer tech finishes working on it.

72.

--Doc/K0EVZ

-----  
Date: Thu, 29 Mar 2001 19:55:05 -0500  
From: "Phil (VA3UX)" <phil@vaxxine.com>  
To: qrp-1@Lehigh.EDU  
Subject: [95234] Re: St. Louis Radials  
Message-ID: <3.0.5.32.20010329195505.007b4860@vaxxine.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 04:12 PM 3/29/2001 -0500, you wrote:

>On 3/28/01 1:46 PM, Doug Hendricks at ki6ds@dph.dpol.net wrote:

>

>>Guys, I did an experiment with the St. Louis Radials. I used 8 sets of 7  
>>strands, that were 16.5' long. They were fanned out from the base and  
>>spaced evenly. I then changed the radial system to ones that were made from  
>>a single conductor of #24 solid copper that was enameled wire, but they were  
>>the same length and spaced the same.  
>>

Good experiment Doug.

>>The on air results were that the ST. Louis radial system seemed to hear  
>>better, and signals seemed to be louder. Note the key word here, seemed.  
>>My measurements were subjective and not quantitative.  
>

Understood. The difference in performance could have been due to the  
radials, or could have been due to different propagation conditions during  
the different tests - it's tough to say.

>That makes sense. Consider that the resistance of the 7 parallel strands  
>is probably a lot less than the single strand. Since you have less losses  
>in your radial system, you have better coupling to the ground, which  
>improves the effectiveness of your antenna.  
>

>>Other questions come up. Does the volume of wire make a difference. In  
>>other words, should I have the same amount of copper in both systems?  
>>Maybe I should have used #20 instead of #24 to get the same amount of  
>>copper.  
>

>Two words: skin effect.  
>

>At RF, the vast majority of the current flows in a very thin layer close  
>to the surface. If you could somehow manufacturer ribbon cable with tiny

>metal tubes instead of wire, you probably wouldn't notice any difference.  
>  
>If you used wire with a similar SURFACE AREA, you're more likely to get  
>similar results.  
>

Yea, I agree. The fact that RF skin loss is lowered with the use of a multi-strand radial is of more importance when relatively few radials are used, as in this case. The improvement would be less pronounced as the number of radials increased.

>>Physics tells me that if you have 7 conductors of #28 wire and compare it to  
>>1 conductor of #28 wire that there has to be a difference. Is it  
>>measurable?  
>>  
>>Let's hear from the experts on this one. Thanks, and curious to know.  
>  
>7 conductors have 1/7 the resistance of a single wire. They also have 7  
>times the surface area.  
>

Yes, you're right that there has to be a difference. Bill has nailed it pretty well with his comment about RF skin effect. The ribbon cable does make for a low loss radial on it's own. The only caution I suggest is that you shouldn't consider each ribbon cable to be the equivalent of seven separate radials. Each ribbon cable still only sees a couple of degrees of the total RF field returning to the earth.

Thanks

Phil

>  
>  
>  
>Bill Coleman, AA4LR, PP-ASEL                      Mail: aa4lr@arrl.net  
>Quote: "Not within a thousand years will man ever fly!"  
>                      -- Wilbur Wright, 1901  
>  
>  
>  
>

-----  
Date: Thu, 29 Mar 2001 20:40:14 -0500  
From: "George Heron N2APB" <n2apb@erols.com>

To: "QRP-L" <qrp-l@lehigh.edu>  
Cc: "EPAQRP" <epaqrp-l@lehigh.edu>, "NJQRP" <NJQRP@njqrp.org>  
Subject: [95235] PSK31 Audio Beacon errata  
Message-ID: <008c01c0b8ba\$611703e0\$fbee9@ghlpt4>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi folks -

For those of you building the PSK31 Audio Beacon "Atlanticon Kit" in preparation for the big weekend starting tomorrow ... we have a few "errata" to mention in the project.

During the final throes of software development, we swapped around a couple of the input and output pins and neglected to update the schematic! This is a classic hardware-vs-software documentation problem <sigh>. It's not a big deal but it might cause some confusion if you probe around beneath the surface on the project.

Anyway, here are the pin swaps ...

PTT output ----- was pin 7 ---- now pin 8  
Test Point output ----- was pin 8 ---- now pin 7  
START Pushbutton input ----- was pin 25 -- now pin 24  
CONTINUOUS Jumper input -- was pin 24 --- now pin 25

Going forward, we'll fix this in software so the documentation all stays the same. So if you get a kit with a version number of 1.4 (or beyond) on the SX microcontroller, you won't have to do a thing! Otherwise, with nothing on the SX device, you should make the wiring changes when building the Manhattan-style kit.

We've placed a Kit Notes page link onto the BEacon page (<http://www.njqrp.org/psk31beacon/psk31beacon.html>) concerning these notations. It would be good to occasionally check there for such late-breaking info.

BTW, we have a surprise about this kit that we'll be announcing at Atlanticon ... we'll post it on the reflectors on Sunday. Should be fun.

72, George N2APB  
n2apb@amsat.org

PS: As a reminder, Atlanticon-going Beacon kits were mailed first last week, and other non-attending kit customers had theirs mailed this week. Newly-arriving orders this week will be mailed next week after the dust settles from Atlanticon. Thanks for everyone's patience!

-----  
Date: Thu, 29 Mar 2001 17:51:22 -0800  
From: "John Moriarity" <k6qq@hdo.net>  
To: <Drbob92031@aol.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [95236] Re: Loading question  
Message-ID: <001101c0b8bb\$ecf44340\$9f414cd1@k6qq>

Bob,

You might want to take a look at the linear loaded antenna by PA0HBB. The URL is:

<http://www.qsl.net/pa3hbb/arframe.htm>

You could do something like this, and you could change bands from the bottom, without taking down the antenna. You could make it for both 30 and 40.

73,

John, K6QQ

-----  
Date: Thu, 29 Mar 2001 21:08:18 -0500  
From: Ken Newman <N2CQ@citnet.com>  
To: epaqrp-1@lehigh.edu, QRP-L@lehigh.edu, njqrp@njqrp.org  
Subject: [95237] [CONTEST] QRP Contest Calendar - April 2001  
Message-ID: <3.0.6.32.20010329210818.007c6900@mail.citnet.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

~~~~~  
QRP CONTEST CALENDAR  
April 2001  
~~~~~

ATLANTICON QRP Forum ...QRP Building Contest(AND MUCH MORE)



Mar 30 - Mar 31

Details: <http://www.njqrp.org/atlanticon/>

"Building contest. A-1 Seminars. Prizes you can't miss"

~~~~~

ARS Spartan Sprint (CW) ... QRP Contest!!

Apr 3 - 0200z to 0400z

Rules: [http://www.natworld.com/ars/pages/spartan\\_sprints/ss\\_rules.html](http://www.natworld.com/ars/pages/spartan_sprints/ss_rules.html)

"Low power and lowest weight event"

~~~~~

SP DX Contest (Phone/CW)

Apr 7 - 1500z to Apr 8 - 1500z

Rules: <http://www.sp5zcc.waw.pl/spdxc/spdxce.html>

"Awards available from Poland"

~~~~~

EA RTTY Contest (Digital)

Apr 7 - 1600z to Apr 8 - 1600z

Rules: <http://www.sk3bg.se/contest/eartty.htm>

"To promote activity in RTTY mode"

~~~~~

QRP ARCI Spring QSO Party (CW) .....QRP Contest!!!

Apr 14 -1200z to Apr 15 2400z

Rules: <http://personal.palouse.net/rfoltz/arci/arctst.htm>

"Biggest QRP event in some time"

~~~~~

Low Power Spring Sprint (Slovak ARA) (CW) ...QRP Category

Apr 16 - 1500z to 2000z

Rules: <http://www.sk3bg.se/contest/lpsprspr.htm>

"Grid Location multipliers"

~~~~~  
The TARA PSK31 Rumble (Digital) ... QRP Category

Apr 21 0000z to 2400z

Rules: <http://www.qsl.net/wm2u/rumble.html>

"Get those Warblers in the show"

~~~~~  
Estonian (ES) Open HF Championship (CW/SSB) (80 & 40) ...QRP Category

Apr 21 - 0500z to 0959z

Rules: <http://www.sk3bg.se/contest/esopen.htm>

"Awards and trophies"

~~~~~  
Michigan QSO Party (CW/SSB) ...QRP Category

Apr 21 - 1600z to Apr 22 - 0400z

Rules: <http://www.qsl.net/mrrc/mqp.html>

"Celebration of Michigan Week"

~~~~~  
EA QRP Contest (CW) ...QRP Contest!!

Apr 21 - 1700z to 2000z (20 Meters)

Apr 21 - 2000z to 2300z (80 Meters)

Apr 22 - 0700z to 1300z (40 Meters)

Rules: [http://www.geocities.com/eaqrpclub\\_es/uk/uk.html](http://www.geocities.com/eaqrpclub_es/uk/uk.html)

"QRPP Category included"

~~~~~  
Ontario QSO Party (CW/SSB) ... QRP Category

Apr 21 - 1800z to Apr 22 - 1800x

Rules: <http://www.odxa.on.ca/oqprules.html>

"Work Ontario stations. Canada's friendliest amateur radio contest"

~~~~~  
QRP To The Field (CW) ...QRP Contest!!

Apr 28 - 1500z - 2400z (Pick any 6 hours)

Rules: <http://www.fix.net/norcal.html>

"2001: A Space Odyssey"

~~~~~  
Helvetia Contest (CW/SSB) (Swiss) ...QRP Category

Apr 28 - 1300z to Apr 29 - 1300z

Rules: <http://home.sol.no/~janalme/htmlrules/h26.html>

"Work Swiss Cantons"

~~~~~  
Florida QSO Party (CW/Phone) ...QRP Category

Apr 28 - 1600z to Apr29 - 0159z and

Apr 29 - 1200z to 2159z

Rules: <http://www.qsl.net/fqp/rules.htm>

"Work Florida counties"

~~~~~  
Nebraska QSO Party (CW/SSB) ... QRP Category

Apr 28 - 1700z to Apr 29 - 1700z

Rules: <http://www.qsl.net/hdxa/neqso/neqso.htm>

"Work Nebraska counties. More points for QRP"

~~~~~  
Thanks to K3WWP, LA9HW, SM3CER, WA7BNM, ARRL and others  
for assistance in compiling this calendar.

Please foreward the contest info you sponsor to N2CQ@ARRL.NET and  
we will post it and give it more publicity.  
Anyone may use this "QRP Contest Calendar" for your website, newsletter,  
e-mail list or other media as you choose.  
(Include a credit to the source of this material of course.)

|                   |                                                                                                             |
|-------------------|-------------------------------------------------------------------------------------------------------------|
| 72 de             | **** QRP Contest Calendar ****                                                                              |
| Ken Newman - N2CQ | <a href="http://www.njqrp.org/data/contesting.html">http://www.njqrp.org/data/contesting.html</a>           |
| N2CQ@ARRL.NET     | <a href="http://www.n3epa.org/Pages/Contest/contest.htm">http://www.n3epa.org/Pages/Contest/contest.htm</a> |
|                   | <a href="http://www.qsl.net/cqrp/contests.html">http://www.qsl.net/cqrp/contests.html</a>                   |

-----  
Date: Thu, 29 Mar 2001 21:40:36 -0500  
From: John Wagner <[john@neknetwork.com](mailto:john@neknetwork.com)>  
To: Low Power Amateur Radio Discussion <[qrp-l@Lehigh.EDU](mailto:qrp-l@Lehigh.EDU)>  
Subject: [95238] FOX: Cub scoring site and maps going away  
Message-ID: <3AC3F224.C364AA8D@neknetwork.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I will be clearing out the Fox Cub scoring site shortly (like within a  
week). All of the maps and logs will be going away. I will keep the logs  
on my personal computer, so I can conceivably recreate a map if someone  
needs/wants one.

I am also clearing out the unofficial Fox scoring site I was  
maintaining. I never did get caught up with all the logs there anyway.

The cub site is at: <http://www.neknetwork.com/foxcub2000/>

and the unofficial fox site is at: <http://www.neknetwork.com/foxteam/>

Please visit these sites and scarf up all the maps and logs you wish to

keep. The maps are yours to do what you want with, but please give credit to their origin if you post them to a web site.

Thanks es 73,

John, KB1ENS

--

John Wagner - john@neknetwork.com

Web page: <http://www.neknetwork.com>

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Date: Thu, 29 Mar 2001 21:38:22 EST

From: n5ib@juno.com

To: qrp-1@Lehigh.edu

Subject: [95239] OPERATING - Scout Camporee

Message-ID: <20010329.203316.4447.2.n5ib@juno.com>

Early heads up.....

I'll be travelling to Clinton Louisiana to the Avondale Scout Reservation (Woodbadge Hill) for camping and a demonstration of ham radio in general and Morse Code and QRP in particular, one week from tomorrow - Friday and Saturday, April 6 and 7.

Look for N5IB or perhaps the LSU Club call W5YW on 40 and 20 Friday after 2200 Z or so and again Saturday on probably 30, 20, 15 or 10 QRP cw frequencies, or maybe 10 m ssb (28450 ish), between 1200 Z and 1800 Z

We'll be teaching a code lesson between 1500 Z and 1800 Z, but not everyone will be involved in that at the same time so the station should be on the air.

Give a listen and a call, we want to post a map and check off states as we work them. Using a variety of my rigs - K-2, DSW-40, DSW-20, NW-20, NC-20, RH-40, GM-15, GM-30 and probably another op's Yaecomwood FIT-xxx

If there are scouts in the family or neighborhood, make it a point to mention that.

72

Jim N5IB

-----  
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<http://dl.www.juno.com/get/tagj>.

-----  
Date: Thu, 29 Mar 2001 17:16:30 +0100  
From: "Chuck Adams, K7Q0" <k7qo@earthlink.net>  
To: qrp-1@Lehigh.EDU  
Subject: [95240] Solar Activity  
Message-ID: <5.0.2.1.0.20010329170808.00a25080@mail.earthlink.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Thanks for the information posted here to the group about the solar activity.

Last night 30 meters showed poor conditions, so I went back to the solar web page, <http://www.dxlc.com/solar/> and sure enough the SF and SN numbers were high but also the A-index was high.

I have a set of solar glasses from Astronomy magazine which they included in an issue last year for the solar eclipse. I just went outside with them and sure enough you can see the large sunspot USING THE GLASSES. Kids, do not look at the sun without proper supervision and equipment. The intensity of the light plus the direct UV will and can cause permanent eye damage.

The spot is vertically above the equator about half way between the upper edge of the disk and the mid-point of the solar disk.

But it is not as large as the one visible without a scope in the 1988 timeframe, i.e. during the last sunspot maximum. And all this happening when everyone thought it was over and downhill from now on..... :-)

FYI

Chuck Adams, K7Q0 CP-60  
Prescott, AZ k7qo@earthlink.net <http://www.qsl.net/k7qo> <http://moon.pr.erau.edu/~adamsc>

TMPS-2001 Mar 27, 2001 Q's = 403 States = 47 Counties = 325 or so DXCC = 13  
SWL-30 with CMOS 3 keyer and Code Warrior Iambic Paddle 0.500W and vee-beam

States Needed AK DE VA (both AK and VA heard but not worked)

DXCC --- K XE VE KH6 V73 HI3 FM5 OH3 C6 ZL1 C08 ZS6 EA8

-----  
Date: Thu, 29 Mar 2001 21:51:00 -0500  
From: "Paul KB1GEJ" <cybrinjn@gis.net>  
To: <qrp-l@Lehigh.EDU>  
Subject: [95241] Antenna stuff  
Message-ID: <001f01c0b8c4\$45619de0\$40e9d13f@cybrinjn>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I just downloaded the demo of EZNEC 3.0 to see how this stuff works. Been foonarounwidit since this afternoon, and finally figgered out how to enter my ant. With 700 mw of P0, I want the most ant I can get. Unfortunately, I am limited by this tiny (100' square) lot, and the availability of supports (2 trees about 68' apart, one taller than the other).

To make things worse, the trees orient the ends of the dipole E-W, and the difference in height of the trees puts the west end nearly 10' higher than the east. The center of the dipole is about 27' high. EZNEC confirmed my suspicions; the pattern is pretty uniformly high angle, with a null aimed right at Phoenix AZ. Bummer. I want to try something else.

I thought of using the taller tree as a support for an inverted-v ant. (I'll have to pull real hard on the bow.) I would still have to use the same orientation because it is close to the south prop line, but EZNEC tells me that I would get a much more omnidirectional pattern, and maybe more of a chance of bagging some QSO's in the 8 and 9call areas, and maybe even 5 and 0!

So whaddaya think? Worth my while?

Paul KB1GEJ

-----  
Date: Thu, 29 Mar 2001 21:52:43 -0500  
From: Paul Womble <pwomble1@tampabay.rr.com>  
To: FP List <fpqrp-l@mpna.com>  
Cc: QRP-L <qrp-l@lehigh.edu>  
Subject: [95242] CQ Washington DC

Message-ID: <3AC3F4FB.4E63C865@tampabay.rr.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

I'll be in DC from Saturday April 7th through Saturday April 14th. Any QRP or other ham gatherings in the area? I won't have wheels...so will be Metro/m.

Any other QRPers attending the National Hurricane Conference?

73

Paul K4FB

-----  
Date: Thu, 29 Mar 2001 22:09:34 -0500

From: John Wagner <john@neknetwork.com>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [95243] radio pics

Message-ID: <3AC3F8EE.1A78927D@neknetwork.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Thought I'd share these with the group...

Just finished my manhattan style pixie last night. Had it's first Q with Fran, KM1Z over in Burlington, VT this evening:

[http://www.qsl.net/kb1ens/pixie\\_far.jpg](http://www.qsl.net/kb1ens/pixie_far.jpg)

and

[http://www.qsl.net/kb1ens/close\\_up\\_pixie.jpg](http://www.qsl.net/kb1ens/close_up_pixie.jpg)

This was my warmup for the SWL-30 Manhattan project (aka Grasshopper) that Chuck K7Q0 is doing.

While we're playing show and tell...

One of my favorite radios, the SMK-1 (5w mod) Pepper Can radio that I used on the Appalachian trail last year:

[http://www.qsl.net/kb1ens/smk\\_pepper\\_can.jpg](http://www.qsl.net/kb1ens/smk_pepper_can.jpg)

The FT-817 parked on a MFJ tuner:

[http://www.qsl.net/kb1ens/ft817\\_mfj.jpg](http://www.qsl.net/kb1ens/ft817_mfj.jpg)

Me, operating my IC-746 (5w out!)



[http://www.qsl.net/kb1ens/kb1ens\\_on\\_air.jpg](http://www.qsl.net/kb1ens/kb1ens_on_air.jpg)

and finally, my oldest boy Martin and a lot of snow...

[http://www.qsl.net/kb1ens/mart\\_roof.jpg](http://www.qsl.net/kb1ens/mart_roof.jpg) (we've had about 3 feet more since that was taken [no kidding]). The satellite dish is the new Starband 2x internet - works pretty well.

73,

John, KB1ENS

--

John Wagner - [john@neknetwork.com](mailto:john@neknetwork.com)

Web page: <http://www.neknetwork.com>

-----

Date: Thu, 29 Mar 2001 22:27:27 -0500

From: "Paul KB1GEJ" <[cybrinjn@gis.net](mailto:cybrinjn@gis.net)>

To: <[qrp-1@Lehigh.EDU](mailto:qrp-1@Lehigh.EDU)>

Subject: [95244] Re: Antenna stuff

Message-ID: <004501c0b8c9\$59159da0\$40e9d13f@cybrinjn>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Wow, I don't feel so deprived any more! I thought a 10,000 sq ft lot was small. Well actually it is, my retirement house has a full acre ( my elderly aunt and uncle live there for the duration) and my brother has 5 acres. I think he may become a ham. His qth is swampy and would be a great place for an ant farm!

Paul KB1GEJ

----- Original Message -----

From: Tim Pettibone <[k5oi@zianet.com](mailto:k5oi@zianet.com)>

To: <[cybrinjn@gis.net](mailto:cybrinjn@gis.net)>

Sent: Thursday, March 29, 2001 10:03 PM

Subject: Re: Antenna stuff

> Paul:

>

> For what it's worth, put anything up that you can - any orientation, any  
> way. My lot (a patio home subdivision) is lots smaller than 100' by 100'  
> (probably 50' by 75'. I have a 40 meter dipole in an inverted vee  
> configuration with the apex up about 20' and basically in an E-W

> direction. It's fed with 300 ohm line thru a tuner. I also have a GAP  
> Titan Vertical with the base up about 22'. I seem to do fine. Have over  
> 170 countries worked (including WAC on 40m on one contest weekend). I  
wish  
> I had a beam up 66' but it isn't going to happen here.  
>  
> I never run more than 5 watts and have even played around with 100-500 mw  
> on occasion. There are lots of self-proclaimed antenna gurus that will  
> tell you that you can't get out with what I have. Heck, I've even done  
> pretty good on 80/75 m with the dipole. I even made some 160m contacts  
> using it. It isn't efficient nor pretty but it gets out.  
>  
> I want to play around with EZNEC too. Sounds like you are on your  
> way. W4RNL has some great stuff on his website. Take a look at the  
> following for a really interesting analysis of a short (ala 40' ) dipole  
> that does really good:  
>  
> <http://www.cebik.com/aledz.html>  
>  
> Have fun!  
>  
> Tim K5OI  
> Las Cruces, NM  
> QRP-L # 73  
>  
>  
>

-----  
Date: Thu, 29 Mar 2001 22:35:31 -0500  
From: "Paul KB1GEJ" <cybrinjn@gis.net>  
To: <qrp-l@Lehigh.EDU>  
Subject: [95245] Re: Antenna stuff  
Message-ID: <004d01c0b8ca\$7982e560\$40e9d13f@cybrinjn>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hhhhhmmmm..... Tnx fer the great ideas. I can see that the spring is going  
to be a busy time for me!

----- Original Message -----  
From: <hamjoel@juno.com>  
To: <cybrinjn@gis.net>  
Sent: Thursday, March 29, 2001 10:16 PM

Subject: Re: Antenna stuff

> Paul  
> 68ft is a long distance...  
> my personal thoughts would be to use two closet rods 16ft wooden dowels  
> or 14ft dowels and put up a two element wire beam for forty.... driven  
> 66ft and reflector 70ft and director 62ft...  
> driven to director spacing 14ft ... works great...  
> iffin u get on twenty meters u can splice two dowels together... hose  
> clamps and make a wonderful 3 element wire beam.... or maybe a w8jk beam  
> (bi directional)  
> don't sweat the slant... ur in good shape.... read a few ant  
> books and play with pencil and paper and walk around ur yard and think  
> about things...  
> you would be surprised as to what u find...  
> kella joel  
> -----  
> GET INTERNET ACCESS FROM JUNO!  
> Juno offers FREE or PREMIUM Internet access for less!  
> Join Juno today! For your FREE software, visit:  
> <http://dl.www.juno.com/get/tagj>.  
>

-----  
Date: Thu, 29 Mar 2001 22:47:01 -0500  
From: wb2vuo@juno.com  
To: w1hue@amsat.org, qrp-1@lehigh.edu  
Subject: [95246] Re: airport xrays  
Message-ID: <20010329.224705.-185279.0.wb2vuo@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

The susceptibility to damage by X-rays varies greatly with electronic parts. A local Aerospace firm in Western NY (unnamed as they are a customer of mine, and for security reasons)

Niagara Testing, the firm I work for was contracted to X-ray a pile of PCB's, fully populated from an undisclosed project. We were instructed to X-ray 20% of the lot at 80 KVp, 20% at 100 KVp, 20% at 120 KVp, 20% at 140 KVp and 20% at 160 KVp.

In addition to our lot, there was a similar sized lot sent to a competitor to be X-rayed on a different machine, a constant-potential unit (ours uses a half-wave rectifier, theirs uses a full-wave rectifier)

The company then retested the boards. They has a couple of Bi-FET op amps, a Schottky diode, some 1N4148's and a bunch of surface-mount resistors and caps including solid tantalums.

None of the boards fail below 140 KVp and 35% of them did have component failures at 160 KVp, mostly the IC's, but some of the solid tantalum caps failed.

After our testing, the company sent out a lot of boards to a third company that had both a Cobalt-60 isotope source (1.4 MEV gamma rays) and an Iridium source (350 - 500 KEV gamma rays). All of the IC's died with the Cobalt exposure and over half of them failed with the Iridium exposure.

The X-ray units in the airport are spec'd out at 80 KVp. I would not worry about airport X-ray units, but don't set your calculator down in the way when getting radiation therapy. Your results may vary...

72/73, Keith, WB2VUO, 100% QRP from the Depths of the Great Bergen Swamp President, Brockport Amateur Radio Klub & Tech Coordinator, ARRL WNY Section

My night light runs more power than my Rig!!!

Replies - <mailto:wb2vuo@arrl.net>

-----  
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<http://dl.www.juno.com/get/tagj>.

-----  
Date: Thu, 29 Mar 2001 23:23:17 -0500

From: "Paul KB1GEJ" <[cybrinjn@gis.net](mailto:cybrinjn@gis.net)>

To: <[qrp-1@Lehigh.EDU](mailto:qrp-1@Lehigh.EDU)>

Subject: [95247] Antenna stuff reprise: on the brighter side.

Message-ID: <000c01c0b8d1\$25af6060\$7aead13f@cybrinjn>

MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

I live here on Cape Cod, a great place to live, especially in the summer. The soil, however, is very sandy and of poor conductivity as I have heard, not good for verts or inverted L's etc. The other side of the coin is SALT WATER! We are surrounded by it.

My plan is to make a 20 meter vertical that I can break down and backpack

out to my favorite spot on South Cape beach, along with the portable rig and suitable refreshments. I could put the ant on a base of some kind anchored by sandbags(?) right on the edge of the water. I could even place it on a small rowboat anchored on the waters of Waquoit Bay and transmit from there. (Could I sign /MM?)

Its going to be a great summer!

See you there

Paul KB1GEJ

-----  
Date: Thu, 29 Mar 2001 21:23:27 -0700  
From: Thomas Kuehl <ac7a@gci-net.com>  
To: Drbob92031@aol.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [95248] Re: Loading question  
Message-ID: <3AC40A3F.E63FC7E8@gci-net.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hello Bob,

Without adding either some additional antenna length or some form of capacity hat above the coil, it is unlikely you would be able to satisfactorily bring the antenna to resonance on 40 meters. Adding a loading coil directly to the end of the antenna length requires a very high inductance coil. To illustrate this point, I made some quick, EZNEC simulations, loading a 20 meter, 16-foot vertical, on 40 meters. A straight 3/4-inch tube was used for the vertical element in the model. I left the coil loss out of the picture, to keeping things simple; however, this would become a substantial source of loss as the required coil inductance gets larger. The loading coil position, listed as a percent, is relative to the elements length:

| Loading Point | Inductance | Ideal Zant |
|---------------|------------|------------|
| Base (4.5%)   | 8.55 uH    | 6.0+j1.8   |
| Center (50%)  | 15.8 uH    | 11.4+J2.0  |
| 3/4 (77.3%)   | 33.8 uH    | 15.0+j1.4  |
| 7/8 (86.4%)   | 54.8 uH    | 16.2+j0    |
| 19/20 (95%)   | 169.8 uH   | 17.4+j0    |

Since only 11 segments where used in the EZNEC model, it was not possible to precisely hit points like 7/8 (87.5%). The numbers used are close enough. Note

that the inductances listed are for an ideal ground situation, and the actual value will vary with your particular antenna's design and its immediate environment.

The base loading example listed above is a practical way to load your 20 meter vertical on 40 meters, but note that it will usually results in the highest loss. This is because of the low radiation resistance relative to a given ground loss condition. The simplicity of such an arrangement allows the coil to be removed when you wish to operate on 20 meters; however, some sort of impedance matching would be required as well. A shunt input capacitor, with the coil can be used to bring the feed-point impedance up to 50 ohms.

Should you like to know more about inductive and capacitive loading of simple antennas, may I suggest an article that appeared in QST, back in March 1998. But let me warn you up front that it was written by a character from this list who is an unsavory sort!

Regards, Thomas - AC7A (Tucson)

Drbob92031@aol.com wrote:

> Hi to all;  
> I have received so much knowledge and assistance from this group that I must  
> dip into the well again.  
> SITUATION; I have a 20/15/10 ground mounted vertical. I would like to add 40  
> M but I do not intend to extend the 16'6" 20M aluminum vertical to 30  
> something feet. I would like to add a loading coil at the top. In this manner  
> I would be able to use a hose clamp and place the coil at the top of the 20M  
> mast (vertical) and with the appropriate radials work 40M.  
>  
> 72/73 de Bob.WA2EAW (now in 4 land as a retiree.)

-----  
Date: Thu, 29 Mar 2001 20:49:25 -0800 (PST)  
From: Nancy Rabel Hall <kc4iyd@yahoo.com>  
To: mhogan@email.msn.com, qrp-1@Lehigh.EDU  
Subject: [95249] Re: warblers  
Message-ID: <20010330044925.7043.qmail@web614.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Hey Mike,

--- Mark Hogan <mhogan@email.msn.com> wrote:  
> Well 200 mile radius..huh!

>  
> I worked 1335 mpw to VT, and 1228 MPW to NY tonight  
> in the sprint. We need  
> more warblers on the air.  
>  
> These things are great fun, and talk a long ways. So  
> far I've got 12 states,  
> and I've only operated a handfull of hours all  
> total.  
> Just thought some of you on the edge might need a  
> nudge...  
  
> Have fun see ya'all later  
> Mark Hogan / N50BC

Consider me nudged!

Yesterday, (Wednesday night), one of the local hams gave a demo of his Warbler at a ham club meeting. In addition to the warbler, he brought his computer and strung about 50 feet of wire out the window across the entrance of the building and tied it off near a tower. He had digipan running on the computer and no sooner had he turned digipan on, those of us there saw two 8-land stations, one in MI and one in right here in Ohio chatting away. Later on there was a SC and GA station, I believe.

All this is talk about warblers is finally getting to me such that this afternoon, during our the Field Day meeting for our ham club at work, I promised that I would have my warbler finished and built in time for us to use in the digital category. Right now it's sitting in the bag it came in.

So consider this my notice that I will start working on my warbler this weekend. Just want to know if there are any erratas other than the ones listed on the warbler notes dated 10/26/00 before I start building this kit. I got this kit with the batch that was shipped in Nov. 2000.

Thanks and soon I'll be a-warbling too!!

Nancy  
kc4iyd/8

-----  
Do You Yahoo!?  
Get email at your own domain with Yahoo! Mail.  
<http://personal.mail.yahoo.com/?refer=text>  
-----

Date: Thu, 29 Mar 2001 23:59:07 -0500  
From: "Dennis Payton" <dpayton@fwi.com>  
To: <qrp-1@Lehigh.EDU>  
Subject: [95250] Speaker Question(s)  
Message-ID: <000e01c0b8d6\$27d8b6c0\$9fa854d1@locke>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I designed a circuit board for the RS Speaker Amp circuit a long time ago and still use it frequently for 'loud' speaker output on my rigs. It has a 16 ohm speaker on it but I usually use an 8 ohm. Tonight I built another one and noticed I have what I think is a real nice 4 ohm speaker in my junk box. Is there a problem with using it? Would it be smart (or stupid??) to put 12 ohms in series with it?

Does the size of the magnet usually determine the quality of the speaker's response? For CW, could it be that a cheap speaker might work better because its limited frequency response would work as a filter?

I'd appreciate learning a few things about speakers.

Thanks!

Denny Payton, N9JXY  
Auburn, IN

-----  
Date: Thu, 29 Mar 2001 22:22:09 -0700  
From: Pat Byers <pbyers@rttinc.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [95251] Whatever happened to W4CDF?  
Message-ID: <5.0.2.1.2.20010329221522.00a60b10@pop3.norton.antivirus>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed



I hate to do this to the list, but I'm trying to locate

Charles D. Feigley Sr., W4CDF  
1516 Toledo St.  
Holiday Florida  
34690-5854

to whom I sold a Heathkit HW-7 back in December. Since I'm a trusting soul,  
I sent the radio before receiving the cash which has still not arrived.  
I've tried to contact Charlie by both e-mail and snail mail but have  
received no reply nor have I seen him post to QRP-L in a long while.

I'm just wondering if anyone out there knows where he is and if he's OK.  
Does anyone know how I can contact him?

73,

Pat Byers VE6AAN  
Ponoka, AB

-----  
Date: Thu, 29 Mar 2001 22:27:43 -0700 (MST)  
From: mugglesto@ecentral.com  
To: qrp-l <qrp-l@lehigh.edu>  
Subject: [95252] Propagation Chart  
Message-ID: <Pine.LNX.4.10.10103292223300.1184-100000@mugleston.mugs.net>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

I'm looking at the propagation chart in 73 mag. it gives the possible  
bands to work from point X to country Y. It is in three parts - Eastern  
United States to:....Central US to: and Western US to:

Where does Denver Colorado fit on these charts? Is it far enough WEST to  
be western or because it's east of the rockies is it more Central?

I would imagine it's more of an educated guess in the first place and I'm  
probably between the two but I just thought I'd ask.

de KI00T, Brad

-----  
Date: Thu, 29 Mar 2001 23:10:39 -0700

From: "Brian P. Mileschosky" <n5zgt@swcp.com>  
To: <qrp-l@Lehigh.EDU>  
Subject: [95253] Part with your QRPp?  
Message-ID: <00fe01c0b8e0\$25784d00\$0c00b8d8@hlw11>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi Gang,

My check to renew my NorCal QRPp subscription is in the mail...it's been a long while since I have received the publication, and I'm curious to know if anyone here would be willing to part with any of the following issues so I can fill in the rather large hole in my collection:

Winter 1997  
All issues from 1999 (Spring - Winter)  
All issues from 2000 (Spring - Winter)

I know, I know...it's a lot to ask since it's such good reading, but I'll be happy to buy them and pay for any damages parting with the QRPps may cause! ;-)

Feel free to email me. Thank you!

72,  
Brian, N5ZGT

---

|                                                                                                  |                                               |
|--------------------------------------------------------------------------------------------------|-----------------------------------------------|
| Boy Scouts of America                                                                            | Amateur Radio - N5ZGT                         |
| Eagle Scout 12/6/96                                                                              | ARRL QRP: NorCal #1700 QRP-L #580 AK/QRP #125 |
| ASM - Troop 41                                                                                   | Packet: N5ZGT PBBS, 145.01 MHz                |
| OA Lodge 66                                                                                      | Albuquerque, New Mexico                       |
| Yah-Tah-Hey-Si-Kess <-W-W-W-<                                                                    | Brother, Kappa Sigma Fraternity               |
| Please Visit my Homepage at: <a href="http://www.unm.edu/~brianm">http://www.unm.edu/~brianm</a> |                                               |

---

-----  
Date: Fri, 30 Mar 2001 01:27:49 -0500  
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>  
To: ".QRP-L Discussion Group" <QRP-L@Lehigh.edu>  
Cc: ")W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>  
Subject: [95254] Fred VE3FAL in Xtreme Cub Hunt  
Message-ID: <200103300127\_MC2-CAA1-FA8A@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable

Content-Type: text/plain;  
charset=ISO-8859-1  
Content-Disposition: inline

Gang:

We have another Cub FOX joining in the upcoming Xtreme FOX Hunt next Tuesday, April 3 (actually 0200-0400Z on April 4). He is Fred VE3FAL and he normally has a huge signal into Bismarck. Welcome Fred, and good look= all Cub FOXes.

72,  
--Doc/K0EVZ

-----  
Date: Fri, 30 Mar 2001 01:27:42 -0500  
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>  
To: "INTERNET:john@neknetwork.com" <john@neknetwork.com>, ".QRP-L Discussion Group" <QRP-L@Lehigh.edu>  
Subject: [95255] FOX: Cub scoring site and maps going away  
Message-ID: <200103300127\_MC2-CAA1-FA86@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable  
Content-Type: text/plain;  
charset=ISO-8859-1  
Content-Disposition: inline

John:

Let me thank and congratulate you on this \*excellent\* addition to our FOX= hunts. It has been fantastic to see the various hunts recreated on the computer. Thanks ever so much for the time and effort you put into it. =

72,  
--Doc/K0EVZ

-----  
Date: Fri, 30 Mar 2001 04:47:17 -0700 (MST)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: <muglesto@ecentral.com>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [95256] Re: Propagation Chart

Message-ID: <Pine.LNX.4.31.0103300439120.825-100000@cannac.ampr.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

The price for this wonderful device is only \$8.98 (slightly higher West of the Rocky Mountains). In the old days the Mountain Time Zone was the forgotten area. Football games were turned off in the last quarter!

In this case don't worry. The data is so broad you can use either west or central and see which is most accurate over time.

On Thu, 29 Mar 2001 moglesto@ecentral.com wrote:

> I'm looking at the propagation chart in 73 mag. it gives the possible  
> bands to work from point X to country Y. It is in three parts - Eastern  
> United States to:....Central US to: and Western US to:  
>  
> Where does Denver Colorado fit on these charts? Is it far enough WEST to  
> be western or because it's east of the rockies is it more Central?  
>  
> I would imagine it's more of an educated guess in the first place and I'm  
> probably between the two but I just thought I'd ask.  
>  
> de KI00T, Brad  
>  
>  
>

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

-----  
Date: Fri, 30 Mar 2001 07:36:28 -0500 (EST)  
From: "John L. Sielke" <w2agn@pobox.com>  
To: qrp-l@lehigh.edu, njqrp@njqrp.org  
Subject: [95257] Off to Atlanticon!  
Message-ID: <XFMail.010330073628.w2agn@pobox.com>  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
MIME-Version: 1.0

Suitcase packed, K1 installed in car with "Bug Catcher" antenna. Ready to go.  
A couple chores to get done then heading for Atlanticon.

Looking forward to Crab Cakes tonight! Meet ya'll in the lobby at 5PM.

John W2AGN

---

| | | | < \_ > | . | / \_ > | \ | John L. Sielke w2agn@pobox.com w2agn@qsl.net  
| | | | / / | | | < \_ / \ | NJ Grid:FM29LN http://www.qsl.net/w2agn  
| \_ \_ / \_ / < \_ \_ > | \_ \_ | ' \_ \_ \_ / | \_ \_ | NJ-QRP #57 QRP-L #884 QRP-ARCI ARQrp #86  
EX-N4JS, W4MPC, W7JEF, K3HLU G-QRP #9544 NorCal CQC AKQRP QCWA FISTS #2781  
SOC #390, fpQRP, ARLHS, OOTC, Elecraft K2 #00023 K1 #00146

-----

Date: Fri, 30 Mar 2001 08:01:44 -0500  
From: "Alex Turner" <aturner13@triad.rr.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [95258] Re: Metal working question.  
Message-ID: <003001c0b919\$924091c0\$a4611e01@triad.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Thanks to all the people that took the time to respond to my query. There were so many that I will just waste some bandwidth thanking everyone here. This is still one of my best resources for information. Thanks and it looks like it will be the Unibit (step drill).

Alex Turner N4BYJ

----- Original Message -----

From: Alex Turner <aturner13@triad.rr.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Sent: Wednesday, March 28, 2001 10:02 PM  
Subject: Metal working question.

> I think I could do more projects if I had an easy way of making holes in  
> aluminum and some small steel boxes. I usually use the largest drill bit I

-----

Date: Fri, 30 Mar 2001 08:24:41 -0500

From: "Ron Polityka" <wb3aal@fast.net>  
To: ". QRP-L" <qrp-l@Lehigh.EDU>, ". NJ QRP-L" <njqrp@njqrp.org>, ". Eastern PA QRP Club" <epaqrp-l@Lehigh.EDU>  
Subject: [95259] Atlanticon 2001 Bound  
Message-ID: <001b01c0b91c\$cb482660\$f90f5cd1@wb3aal>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I am off to the Atlanticon 2001 Forum at 9 AM.

Hope to see you there!

72 & 73  
Good DXing

Ron Polityka  
de WB3AAL  
wb3aal@fast.net

vvv Eastern Pennsylvania QRP Web Page vvv  
<http://www.n3epa.org>  
Eastern Pennsylvania QRP Club Call  
N3EPA E-mail address: n3epa@fast.net

|                    |                  |
|--------------------|------------------|
| EPA QRP #1         | ARRL Life Member |
| KL7 QRP # 309      | G-QRP # 3031     |
| ARCI QRP # 5318    | 10 - X #13173    |
| NorCal             | Zombie #625      |
| ARS # 380          | HI QRP #153      |
| VA QRP Society #45 | MI QRP #1703     |
| K2 sn1392          | NJ QRP #179      |

-----  
Date: Fri, 30 Mar 2001 08:27:50 -0500  
From: "Brian B. Riley, N1BQ" <n1bq@wulfdn.org>  
To: <njqrp@njqrp.org>, <qrp-l@lehigh.edu>  
Subject: [95260] RE: [NJQRP] Off to Atlanticon!  
Message-ID: <LPBBJAGIPFHKPJENAKLOCEFFEDAA.n1bq@wulfdn.org>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Ditto ... we just started yet another Nor'easter up here, I already

have an inch of new snow on my doorstep goes right along with the other seven feet of snow I have gotten JUST IN MARCH not too mention the several feet from Dec, Jan and Feb!!!!!! ... I cannot get out of this place fast enough ... leaving for the plane in 20 minutes ... hope to make it to Inn by 5pm ...

Brian, in Vermont, who has dreams of a walking in real puddles in Baltimore!

> -----Original Message-----

> From: John L. Sielke

> Sent: Friday, March 30, 2001 7:36 AM

> To: qrp-l@lehigh.edu; njqrp@njqrp.org

> Subject: [NJQRP] Off to Atlanticon!

>

>

> Suitcase packed, K1 installed in car with "Bug Catcher"

> antenna. Ready to go. A couple chores to get done then

> heading for Atlanticon.

>

-----  
Date: Fri, 30 Mar 2001 12:20:52 GMT

From: Walter D Amos <walt\_amos@juno.com>

To: pbyers@rttinc.com

Cc: qrp-l@lehigh.edu

Subject: [95261] Re: Whatever happened to W4CDF?

Message-ID: <20010330.122858.-119159.2.walt\_amos@juno.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Pat:

Thanks for the up front, I'll add that name to my 4 X 8 file card on SWINDLERS which now includes

K3HW

KE4BAF

W4BWS

and now W4CDF

Seems a lot of old guys in Florida like free radios .....  
:-)

Walt K8CV

On Thu, 29 Mar 2001 22:22:09 -0700 Pat Byers <pbyers@rttinc.com> writes:

> I hate to do this to the list, but I'm trying to locate  
>  
> Charles D. Feigley Sr., W4CDF  
> 1516 Toledo St.  
> Holiday Florida  
> 34690-5854  
>  
> to whom I sold a Heathkit HW-7 back in December. Since I'm a  
> trusting soul,  
> I sent the radio before receiving the cash which has still not  
> arrived.  
> I've tried to contact Charlie by both e-mail and snail mail but have  
>  
> received no reply nor have I seen him post to QRP-L in a long  
> while.  
>  
> I'm just wondering if anyone out there knows where he is and if he's  
> OK.  
> Does anyone know how I can contact him?  
>  
> 73,  
>  
> Pat Byers VE6AAN  
> Ponoka, AB  
>  
>

Walt K8CV

-----  
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<http://dl.www.juno.com/get/tagj>.

-----  
Date: Fri, 30 Mar 2001 08:34:42 -0500

From: "Mike Yetsko" <myetsko@insydesw.com>

To: <dpayton@fwi.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [95262] Re: Speaker Question(s)



Message-ID: <002d01c0b91e\$30fb31e0\$6101a8c0@INSYDENT>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

> I designed a circuit board for the RS Speaker Amp circuit a long time ago  
> and still use it frequently for 'loud' speaker output on my rigs. It has a  
> 16 ohm speaker on it but I usually use an 8 ohm. Tonight I built another one  
> and noticed I have what I think is a real nice 4 ohm speaker in my junk box.  
> Is there a problem with using it? Would it be smart (or stupid??) to put 12  
> ohms in series with it?

The only reason to put a series resistor is to limit current. But then remember the resistor and speaker will form a power divider. Do you really want that? I'd just use it, and make sure the amp doesn't get too warm. You may have to make sure the heat sink is sufficient. If you REALLY have to add resistance, I'd use as LITTLE AS POSSIBLE.

> Does the size of the magnet usually determine the quality of the speaker's  
> response? For CW, could it be that a cheap speaker might work better because  
> its limited frequency response would work as a filter?

Well, no. But manufacturers won't put a decent magnet on a cheap speaker. If they go to the expense of a decent magnet, generally the rest of the speaker is fairly good to match.

As to CW, remember, the 'heavier' (actually stronger, which is not always the same thing) the magnet, the more the speaker can probably put out at lower frequencies. If you want more bass, then the speaker with the better low frequency response is generally going to be better.

But just remember, bigger, heavier, and more low response is not always 'louder' in the area that you want. A speaker with a heavy magnet might actually be less efficient at the frequencies you need. There's always tradeoffs in speaker design, and they are not always obvious.

Electro-Voice used to have an EXCELLENT book on designing speakers. They even had a chapter on how to sweep a speaker raw, then

sweep it again with a known weight of model clay on the cone, graph the responses, then from the differences with and without the clay figure out optimum cabinet size. But that book I believe has been out of print since the early 70's. (It was (when I got mine) free upon request if you bought any Electro-Voice speaker elements. I'd LOVE to find out who borrowed it and didn't return it!)

Anyway, there are books out there for speaker design, but the but you might not see the trees for the forest. Best bet, just try it.

Mike

-----  
Date: Fri, 30 Mar 2001 08:39:56 EST  
From: Shephed@aol.com  
To: <qrp-l@lehigh.edu>  
Subject: [95263] CLUB: Newsletter  
Message-ID: <f.11f561ed.27f5e6ad@aol.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: quoted-printable

Hello everyone!

The April, 2001 issue of the Flying Pigs QRP Clubs newsletter, Bacon Bits is now online!

New this month is a list of QRP related contests and events for April, and information on the FISTS Coast 2 Coast event. W8PIG, FISTS #7373 will join in again this year.

So point your browser to the club page and get it while it's hot!  
<http://www.mpna.com/fpqrp/news.html>

72, oo  
Dan, N8IE=AE

Daniel J. Shepherd Sr. is a registered trademark of  
Eva Ruth and James Donald Shepherd Productions.  
Copyright, 1962

-----  
Date: Fri, 30 Mar 2001 08:43:17 EST  
From: Macstein@aol.com  
To: walt\_amos@juno.com, qrp-1@lehigh.edu  
Subject: [95264] Re: Whatever happened to W4CDF?  
Message-ID: <dc.403e2d7.27f5e775@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

In a message dated 3/30/2001 8:31:04 AM Eastern Standard Time,  
walt\_amos@juno.com writes:

> Seems a lot of old guys in Florida like free radios .....  
> :-)  
>  
> Walt K8CV

Now Walt... I'm 45, I'm in FL, and I like radios of all sorts... but I'm no  
swindler! Just want to make sure there is no guilt by association! grin

72

-MAC-

AF4PS

Odessa, FL "Home of the Infamous Attic Dipole" and Stealth Loop

K2 #643, QRP-L #704, FISTS #5096, CC #754, NorCal #1998, Zombie #510,  
ARCI #9843, AR QRP #257, HI QRP #83, Whiners #5, SOC #28,  
West FL QRP, TARC, ARS #751, Flying Pig QRP #-51  
and various other annual \$15 commitments.

-----  
Date: Fri, 30 Mar 2001 08:45:58 -0500  
From: John Wagner <john@neknetwork.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [95265] FOX: Scoring maps moved  
Message-ID: <3AC48E16.600031C0@neknetwork.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Thanks for all the nice comments via email about the scoring site -  
appreciated.

Instead of burning all the maps into the ether, I have moved them over  
to my qsl.net website at: <http://www.qsl.net/kb1ens/cubhunt2000/>

I'll drop a pointer in the old directory to the new site soon.

I'm fishing for features for the next generation of scoring site. If there are some things you would like to see next time, let me know. The maps proved to be quite popular (hundreds of hits in my logs every month!). There are hound logs currently on the site, I was thinking of hound maps to complement the fox maps.

73,

John, KB1ENS

--

John Wagner - john@neknetwork.com

Web page: <http://www.neknetwork.com>

-----

Date: Fri, 30 Mar 2001 08:56:51 -0500

From: Paul Stroud <aa4xx@ipass.net>

To: klqrp <Klqrp@knightlites.org>

Cc: QRP-L <QRP-L@lehigh.edu>

Subject: [95266] RARSFEST QRP update

Message-ID: <3AC490A3.64C8BB3B@ipass.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Hi Gang,

Please consider joining the KnightLites at RARSFEST next Sunday, April 8th at the fairgrounds in Raleigh, NC.

The QRP forum will begin just after lunch at 12:30 PM. The slate will include:

- 1) Les Shattuck K4NK ARRL Vice-Director  
Les will be sharing some thoughts on how the ARRL is increasing its focus on QRP.
- 2) Todd Nichols, AG4AY Presenting the newest KL kit, the KeyLite
- 3) Brent Smith, K04PY A Powerpoint Presentation on "The World of QRP"  
Paul Stroud, AA4XX

The QRP forum will take place in the Sales Arena, Mtg room #1, behind the stage. Entrance should be from the outer hallways.

The KL Gang will also have a table in the main hamfest area. Table numbers are not assigned prior to the fest, so we can't provide a table number at this time. Please bring some QRP goodies for our display table.

Looking forward to seeing you at RARSFEST! 72, The KnightLites

-----  
Date: Fri, 30 Mar 2001 09:20:20 -0500  
From: "Upton, Shawn" <SUpton@ALLEGROMICRO.com>  
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>  
Cc: "'bronson@eece.maine.edu'" <bronson@eece.maine.edu>  
Subject: [95267] Century 21 Low Power Fix  
Message-ID: <E1F0152638DBD311AEF700D0B74455E21E35AC@EXCHANGE\_NH>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Found either the problem last night, or I fixed the problem. The 2N3055 pass transistor in the 12.5V regulator was not functioning properly. Replaced it and the radio operates just like it should. Even wired the transistor up properly (previous owner got it wrong apparently).

Sidetone is good, cranks out 30W easily. If anything, the power supply isn't tripping on overcurrent conditions (too much power output), so I'll have to poke around in there on that. Thanks to all who responded.

On a last note, though, I noticed this pass transistor generates way more heat than the finals do! On the bench, into a dummy load, at 20-30W, 10 seconds key down/10 seconds key up, for about a minute, the heatsink for the finals barely warmed up, while the metal around the regulator was getting quite warm to the touch. Now, I know that on tx, it should be drawing 5-6 amps (trip on the supply is supposed to be 6 amps), and the pass transistor is regulating 23V to 12.5, thus generating 50 some-odd watts, so heat should be expected. And I suppose that the finals should kick out about 20-30W of heat. I guess the factory didn't heatsink the right part.

Shawn Upton, KB1CKT  
Product Development Engineer - Sensors  
Allegro MicroSystems, Inc  
Concord, NH  
603.228.5533 ext. 429

-----

Date: Fri, 30 Mar 2001 09:01:55 -0500  
From: "Brian" <bmmurray@amexol.net>  
To: <Macstein@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [95268] Re: Whatever happened to W4CDF?  
Message-ID: <009c01c0b921\$fb18cde0\$3d05080a@cincom.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

So Mac, what you're saying is that although you're old, very old, AND you live in FloriDuh, you dislike FREE radios?

Is this what you're trying to sell us here?

----- Original Message -----

From: <Macstein@aol.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Friday, March 30, 2001 8:43 AM  
Subject: Re: Whatever happened to W4CDF?

> In a message dated 3/30/2001 8:31:04 AM Eastern Standard Time,  
> walt\_amos@juno.com writes:  
>  
> > Seems a lot of old guys in Florida like free radios .....  
> > :-)  
> >  
> > Walt K8CV  
>  
> Now Walt... I'm 45, I'm in FL, and I like radios of all sorts... but I'm  
no  
> swindler! Just want to make sure there is no guilt by association! grin  
>  
> 72  
> -MAC-  
> AF4PS  
> Odessa, FL "Home of the Infamous Attic Dipole" and Stealth Loop  
>  
> K2 #643, QRP-L #704, FISTS #5096, CC #754, NorCal #1998, Zombie #510,  
> ARCI #9843, AR QRP #257, HI QRP #83, Whiners #5, SOC #28,  
> West FL QRP, TARC, ARS #751, Flying Pig QRP #-51  
> and various other annual \$15 commitments.  
>

-----  
Date: Fri, 30 Mar 2001 08:20:35 -0600  
From: "Joel Kluender, NF9K" <nf9k@eudoramail.com>  
To: qrp-1@lehigh.edu  
Subject: [95269] IC-740 TX on 12M and 17M?  
Message-ID: <A0FGNIIOLGKMGA@shared1-mail.whoowhere.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Language: en  
Content-Transfer-Encoding: 7bit

All,

I've modified my IC-740 for 5W at the low-end adjustment, so hopefully that qualifies this e-mail as QRP related :)

I am trying to determine if the IC-740 can be modified to enable transmit on the 12M and 17M bands. In stock form, the 740 can only receive on these bands. Icom's website doesn't give me any clues, and haven't heard back from their e-mail technical support yet. I wonder if anyone works there who still remembers the 740! (It is a GREAT radio with an awesome receiver, and can be found on the used market for < \$400)

If anyone has any information here, I'd appreciate it.

72,  
Joel NF9K

---  
Joel Kluender, NF9K  
870 Prairie Street S.  
Shakopee, MN 55379

"All men are like grass, and all their glory is  
like the flowers of the field; the grass  
withers and the flowers fall, but the word of  
the Lord stands forever." (I Peter 1:24-25)

Join 18 million Eudora users by signing up for a free Eudora Web-Mail account at  
<http://www.eudoramail.com>

-----

Date: Fri, 30 Mar 2001 09:33:49 -0500  
From: "George Osier" <gosier@twcnny.rr.com>  
To: <qrp-1@lehigh.edu>  
Subject: [95270] BZ4DHI ..... ???????  
Message-ID: <003b01c0b926\$6f829ae0\$25191842@twcnny.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hello All !!!

Worked my second pirate with a great call !!!  
BZ4DHI was on 10 meter CW this morning worked him first call with 2 watts.  
Using the old saying "work first, worry later" worked him at 1236 UTC which  
would be a strange time to have propagation in that direction !!! Oh well ,  
got BY40TT this year at the about the same time : (

73s

George Osier , N2JNZ / QRP

PS: tried to E-mail the manager for this station , I1YRL but the mail  
bounced. anyone have a good address for him ??????

-----  
Date: Fri, 30 Mar 2001 09:35:48 -0500  
From: "John P. Cummins, Sr." <jpcummins@charter.net>  
To: bmurrey@amexol.net  
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [95271] Re: Whatever happened to W4CDF?  
Message-ID: <3AC499C4.2550D8E8@charter.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

You folks may recall that Charlie was the guy that got upset over some  
posts on this reflector and offered all of his ham equipment for sale  
and stated that he was getting out of ham radio for ever. When pressed  
for a list of equipment and prices he stated that he was disabled from a  
stroke and that his daughter who is a doctor in the Tampa area was  
putting the list together for him.

The next thing we saw on the reflector was a note supposedly from his  
daughter, the doctor, stating that her father had a stroke and had been  
taken to the hospital. Several days later we saw a post from Charlie



that he had left the hospital without a doctor's order.

I had thought about sending him a "get well" card but could not find a hospital in the north Tampa area where he had been admitted.

I believe you can get in touch with his daughter, at one time I tried to contact her to find out where Charlie was.. but I don't have that information any more.

I sent Charlie several emails but he never responded and apparently there is some question about his veracity.

Pickett, AD4S

Brian wrote:

```
>
> So Mac, what you're saying is that although you're old, very old, AND you
> live in FloriDuh, you dislike FREE radios?
>
> Is this what you're trying to sell us here?
>
> ----- Original Message -----
> From: <Macstein@aol.com>
> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> Sent: Friday, March 30, 2001 8:43 AM
> Subject: Re: Whatever happened to W4CDF?
>
> > In a message dated 3/30/2001 8:31:04 AM Eastern Standard Time,
> > walt_amos@juno.com writes:
> >
> > > Seems a lot of old guys in Florida like free radios .....
> > > :- )
> > >
> > > Walt K8CV
> >
> > Now Walt... I'm 45, I'm in FL, and I like radios of all sorts... but I'm
> > no
> > swindler! Just want to make sure there is no guilt by association! grin
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> > AF4PS
> > Odessa, FL "Home of the Infamous Attic Dipole" and Stealth Loop
> >
> > K2 #643, QRP-L #704, FISTS #5096, CC #754, NorCal #1998, Zombie #510,
> > ARCI #9843, AR QRP #257, HI QRP #83, Whiners #5, SOC #28,
> > West FL QRP, TARC, ARS #751, Flying Pig QRP #-51
> > and various other annual $15 commitments.
```

> >

-----  
Date: Fri, 30 Mar 2001 10:10:40 -0500  
From: "Mike Branca" <w3irz@att.net>  
To: <qrp-1@Lehigh.EDU>, "nogatech" <nogatech@topica.com>  
Subject: [95272] Epiphyte 3; L0 instability  
Message-ID: <00c601c0b92b\$9601b340\$ab0d4d0c@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi gang, I have been building stuff for over 50 years and discovered a new (for me) problem. While checking out the RX in the Epiphyte 3 there was an intermittent Local Oscillator (LO) instability of 800 to 100 cycles whenever I tapped anywhere on the circuit board. Well I re-soldered all connections in the LO section and suspecting an un-plated thru hole so I soldered on top of the board too; I still had the problem. After several hours of tinkering and a good nites sleep I suspected a chip of the LO slug was rattling around in the LO can (L6) so I inverted the circuit board and heard it again. After removing the slug I shook the board and a pin head size piece of slug fell out. I replaced the slug and the problem was gone.

Just another example of how much fun we can have but this condition can exist in other equipment using slug tuning.

Mike Branca W3IRZ in Conyers Georgia

-----  
Date: Fri, 30 Mar 2001 08:39:32 -0700 (MST)  
From: "Paul Harden, NA5N" <na5n@rt66.com>  
To: "Chuck Adams, K7QO" <k7qo@earthlink.net>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [95273] Re: Solar Activity  
Message-ID: <Pine.SUN.4.10.10103300825190.3396-1000000@shell.rt66.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 29 Mar 2001, Chuck Adams, K7QO wrote:

> Last night 30 meters showed poor conditions, so I went back  
> to the solar web page, <http://www.dxlc.com/solar/> and sure  
> enough the SF and SN numbers were high but also the A-index  
> was high.

I tried 30M last night, just before sundown and later around 10pm MST. It was mushier and noisier than usual. Part of the reason is the energetic proton event in progress. Some of these penetrate into our atmosphere, down to the D-layer, to cause enhanced absorption to HF, and take longer to "boil off" after sundown than the normal ionizing radiation from the sun. During the day, the D-layer absorption normally affects 8-10MHz and below. Yesterday I noticed 3-6dB extra absorption on the lower frequencies, extending up to nearly 14MHz, on a couple of the real-time internet monitors of D-layer absorption.

> i.e. during the last sunspot maximum. And all this happening when everyone  
> thought it was over and downhill from now on..... :-)

Good point, Chuck. In fact, some of the largest solar flares have occurred on the "downside slope" of the solar cycle. The huge solar flare years ago that put the lights out in New York City (due to a huge geomagnetic storm) was one of them :-)

Legally, we have passed the solar maximum ... but the sun ain't ready to roll over and die for some time yet. So enjoy!

72, Paul NA5N

-----  
Date: Fri, 30 Mar 2001 11:43:04 -0500  
From: John Wagner <john@neknetwork.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [95274] OT: Bruce R. - VE5RC  
Message-ID: <3AC4B798.59AF7C4D@neknetwork.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Sorry for the bandwidth berries, please delete if you aren't Bruce...

Bruce,

Every time I reply to an email from you I get the following error emailed back to me. I don't know if you're getting my replies - please email me if you didn't get my latest reply to you.

-----

- These recipients of your message have been processed by the mail server:

rattray@gpfn.sk.ca; Failed; 5.3.0 (other or undefined mail system status)

Remote MTA neale.gpfn.sk.ca: network error

- SMTP protocol diagnostic: 550 5.0.0 Access denied

Reporting-MTA: dns; c0mailgw04.prontomail.com

Arrival-Date: Fri, 30 Mar 2001 08:21:27 -0800

Final-Recipient: rfc822; rattray@gpfn.sk.ca

Action: Failed

Status: 5.3.0 (other or undefined mail system status)

Remote-MTA: dns; neale.gpfn.sk.ca

---

--

John Wagner - john@neknetwork.com

Web page: <http://www.neknetwork.com>

-----

Date: Fri, 30 Mar 2001 08:43:25 -0800

From: Bill Jones <kd7s@psnw.com>

To: qrp-1@lehigh.edu

Subject: [95275] FT:Toshiba Laptop PC

Message-ID: <3AC4B7AD.657A07C1@psnw.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Friends,

I have a slight dilemma here. I have a Toshiba Satellite T2100 laptop that is surplus to my needs. I'd like to see someone get some use out of it instead of having it just live in its case underneath my bed. The problem is, I don't know what it's worth.

What I'd like to do is swap it for something .... doesn't necessarily have to be ham gear .... just something I could use.

Here are the specs on the computer:

```
=====
- 486DX50
- 4 megs RAM
- 250 meg hard drive (perfect - no bad sectors)
- monochrome VGA LCD display (very bright)
- external VGA connector (for color monitor)
- serial & parallel ports
- built-in "joystick" type mouse (will accept external mouse)
- built-in battery charger with a.c. power cord
- 3.5" floppy drive
- immaculate condition except internal battery will not hold a
charge (works perfectly on a.c. power)
- Windows 3.11 installed along with WordPerfect (ver. 6) and
Quattro Pro for Windows. - Various other software also including
PIC programmer (EPIC) & MPASM, HamComm, Circad, T2100 Reference
Manual, Lotus 123, a few games and some other stuff.
- PCMCIA slots (2)
- Fully Y2K compliant
- comes with carrying case
=====
```

Digital photograph(s) available upon request.

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-----  
Bill Jones - KD7S <><  
Sanger, California  
<http://www.psnw.com/~kd7s/>  
-----

-----  
Date: Fri, 30 Mar 2001 08:39:28 -0800  
From: "Phinizy, William" <[wphinizy@filenet.com](mailto:wphinizy@filenet.com)>  
To: "'qrp-1@Lehigh.EDU'" <[qrp-1@Lehigh.EDU](mailto:qrp-1@Lehigh.EDU)>  
Subject: [95276] ATU Design  
Message-ID: <[C3AF5E329E21D2119C4C00805F6FF58F04B76D5B@hq-expo2.filenet.com](mailto:C3AF5E329E21D2119C4C00805F6FF58F04B76D5B@hq-expo2.filenet.com)>

I stumbled across the following parts:

Airdux 1 1/2" x 5" coil (approximately 30 uHy)  
2 100-pF variable caps

I wanted to cobble together an antenna tuner and have been casting about in various publications for a suitable project to incorporate them. I have done some background reading and the parts above scream of T-match, I know, but I

wanted to ask the group for recommendations, URLs, articles, references, etc.

This is to be a learning exercise more than anything else - you know, you spend all that time reading about tuners and theory and I sincerely appreciate any help and guidance..

W. H. Phinizy, K6WHP  
Principal Engineer  
FileNET Corporation

-----  
Date: Fri, 30 Mar 2001 08:45:41 -0800  
From: "Coote, Jay" <JCoote@ci.arcadia.ca.us>  
To: "'ae5x@qsl.net'" <ae5x@qsl.net>, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [95277] RE: RIT for SST?  
Message-ID: <131CE266CAD0D211B3550008C7C9A2D5321800@arcadia-pd1.ci.arcadia.ca.us>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Doesn't Small Wonder Labs sell an RIT kit?  
I wonder if the RIT would work in other VCO-VCXO radios?  
Just a thought  
Jay  
W6CJ

-----Original Message-----  
From: John Harper AE5X [mailto:ae5x@qsl.net]  
Sent: Thursday, March 29, 2001 2:19 PM  
To: Low Power Amateur Radio Discussion  
Subject: RIT for SST?

Hello reflectees,

Has anyone added an RIT circuit to their SST. I'd appreciate any details from anyone who has.

Gracias,

John Harper AE5X  
Outdoor QRP & Lowband DXing: <http://www.qsl.net/ae5x>

-----  
Date: Fri, 30 Mar 2001 09:45:16 -0700  
From: "Patrick McVey" <mcvey@narbha.com>  
To: <qrp-1@lehigh.edu>  
Subject: [95278] Re: Metalworking question  
Message-ID: <sac455b9.078@mail.narbha.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: quoted-printable  
Content-Disposition: inline

Alex, 1) Least expensive-Find which bit works best so you only have to =  
drill the hole once. Put the metal between two other pieces of scrap =  
metal. This will reduce the burr left over. 2) Next most expensive-buy a =  
punch. If its aluminum, the edge might give you good service. Line it up & =  
whack it on some wood. But you need several sizes. 3) Most expensive-buy a =  
lever-operated punch.=20  
I built a Norcal BLT that was about 90% Dremel project.  
Patrick Kc7AIR

-----  
Date: Fri, 30 Mar 2001 11:56:29 -0500  
From: Kenneth Hoglund <hoglund@wfu.edu>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [95279] OT: World Amateur Radio Day?  
Message-ID: <3AC4BABD.2595021E@wfu.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Please forgive the bandwidth, but we're organizing a club here on campus  
(Wake Forest University) and in looking for a likely date on which there  
would be enough daytime activity to demonstrate the joys of amateur  
radio, I discovered that April 18th was designated World Amateur Radio  
Day by the IARU. So does anyone know of activities/club events/a  
possible concentration of ops on the air for that day?

Thanks in advance.

73  
Ken KG4FGC

-----

Date: Fri, 30 Mar 2001 09:00:51 -0800  
From: Ed Vines <evines@garlic.com>  
To: qrp-l@lehigh.edu  
Subject: [95280] MS-15 RIT  
Message-ID: <200103301701.f2UH1fW79722@windmill-en0.garlic.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Has anyone who built the MS-15 built the RIT circuit suggested by Steve?  
Success, problems, suggestions ?  
I have put it together, but cant seem to figure out what I should expect as  
far +/- tuning range, etc.  
Any suggestions or just your experience with it would be appreciated.

72,  
Ed Vines  
KG6WU  
Gilroy,CA

-----  
Date: Fri, 30 Mar 2001 10:10:50 -0700  
From: "Benedict B. Cruise" <b.cruise@worldnet.att.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [95281] Solar Activity  
Message-ID: <000701c0b93c\$5fcb28e0\$6a814a0c@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Last night about 2130 MST I was listening for DX beacons on 10 meters. The  
Argentina beacons were coming in loud and strong. No other signals were  
heard and CQ went unanswered. What a shame. 10 meters open at 9:30pm and  
no activity.  
NOLNW

-----  
Date: Fri, 30 Mar 2001 11:24:29 -0600  
From: "Jay Bromley" <w5jay@alltel.net>  
To: <qrp-l@Lehigh.EDU>  
Cc: "William Winnscott" <n6cha@ipa.net>, "Steve Lowrey" <snlowrey@alltel.net>,  
"Stan Ross" <slross@cox-internet.com>, "Royce Rainwater" <ke5tc@crosstel.net>,  
"Ronald M. Kupers" <w5xq@arrl.net>, "Richard Donovan" <n5xm@alltel.net>,



"Randy Holden" <Randy\_Holden@hotmail.com>, "Randy Baggett" <kg5ne@cei.net>,  
Subject: [95282] ArkieCon Pre-Registraion Ends Today!!  
Message-ID: <000d01c0b93e\$646c3d60\$559b66a6@alltel.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Gang hi,

I have been trying to stay quiet to let George Heron and the New Jersey boys do the Atlanticon thing this week, but I need to make an announcement. Jerry Parker needs to wrap up the ArkieCon pre-registration today (Friday) so he can get the badges to us in time for next weekend's ArkieCon. So for those last minute folks send Jerry an e-mail ASAP at [jparker@fix.net](mailto:jparker@fix.net) Please send your callsign and name (first and last) to Jerry. If you have pre-register early and want to make sure your on the list go to the Nor Cal web-site at <http://www.fix.net/norcal.html> and click on ArkieCon. If you didn't pre-register and want to come we will have few extra ArkieCon badges at the door. We will even give you a chance to win the main prize, but you must be present to win! Everone is welcome to attend all the QRP "ArkieCon" activities!!!

Speaking of George Heron and the New Jersey Boys, if you are new to the list and have never made it to one of these QRP FUN fest you really owe it to yourselves to attend Atlanticon this weekend. If by chance that's to far and your are near central America I hope to see you at ArkieCon next weekend on April 7th!

Guest speakers for this year's "ArkieCon" are the Britt's (Sir Tony and Lord Graham), Jim Kortge, and George Heron. They will still be buzzing from this weekends QRP high "Atlanticon". That's right the movers and shakers that were at this year's "Atlanicon" will also be at ArkieCon next weekend.

Doug Hendricks will be MCing ArkieCon for us this year and I needed to give him a chance to get even with me for all those pot-shots I have taken at Dougie last year. Old-Man Doug "Coach" has said a ton of nice things about George Heron and myself for helping out with these QRP events, but I would like to say a BIG "Thank You" to all of you that support these events. Without your support buying these kits and coming to these QRP FUN Fests none of this would matter!

Speaking of the attendees look who coming to dinner this year at ArkieCon. Chuck Adams, Jim Cates, Jim Duffey, Dave Gauding, John Burnley, Mike Fitzgibbon, Burl Keeton, Dennis Foster, Ed Manual, Dub Thornton, Clifton Sikes, and many more that I am sure I am forgetting! Want to see the list then go to the NorCal web-page at <http://www.fix.net/norcal.html> They also have information and links to ArkieCon web-site.

Main prize for ArkieCon this year is a Yaesu FT-817 with 500 hz CW filter. Vern Wright's MP-1 antenna package with all the goodies that include the 80 meter coil, tripod mount, FT-817 mount, mobile kit, and telescopic whip. A \$240 dollar value donated by Vern and I want to thank Vern for all his support to these QRP events, not just ArkieCon's because he does this all the time! Rounding out the package will be Dennis Foster's TeNeKes---a compete set and he is even throwing in a NorCal BLT tuner package with NorCal doublet! All you need then is a trench coat to house all this good stuff and to be QRP active anywhere you go. Again I want to thank Dennis Foster and Vern Wright for donating these items. Remember you must be present to win ArkieCon's main prize!

Speaking of thanks I want to thank Mike Gripe for making the copper posts for the P-TiCKs. Doug Hendricks who got us going on the P-TiCK project with supplying parts and making 200 copper kits. Gary Dianna for working with the Fort Smith QRP Group using the Tick 1 chip! I also want to thank Jerry Parker for doing the pre-registration for ArkieCon this year, donating/making the badges, as well as last year! Thanks Jerry, Gary, Mike, and Doug!!!!

A big thank you to the Fort Smith QRP Group for putting up with me all year and helping with the hamfest and ArkieCon!

And last but not lest all the QRPers who have bought over 600 VE3DNL Marker/Generator and that many P-TiCKs kits that helped make all this possible.

Speaking of kits we are out of the VE3DNLs, but still have a few P-TiCKs left. I think we have around 80 left and there won't be anymore made after this, grin! Just go to the NorCal web-page at <http://www.fix.net/norcal.html> and scroll down and click on P-TiCK. Every time I do this 20 plus kits find new homes and Doug Hendricks says I CAN't get rid of these P-TiCKs by ArkieCon because we have saturated the market. I like to make the "Coach" mad so help me prove him wrong by buying a P-TiCK for a friend or novice, :-))))))

Thank you all and hope to see you next weekend!!

73 de jay..

-----  
Date: Fri, 30 Mar 2001 12:45:14 -0500 (EST)  
From: Bob Patten <n4bp@bc.seflin.org>  
To: Macstein@aol.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [95283] Re: Whatever happened to W4CDF?  
Message-ID: <Pine.3.89.10103301230.A3880-01000000@bc.seflin.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; CHARSET=US-ASCII

On Fri, 30 Mar 2001 Macstein@aol.com wrote:

> In a message dated 3/30/2001 8:31:04 AM Eastern Standard Time,  
> walt\_amos@juno.com writes:  
>  
> > Seems a lot of old guys in Florida like free radios .....  
> > :-)  
> >  
> > Walt K8CV  
>  
> Now Walt... I'm 45, I'm in FL, and I like radios of all sorts... but I'm no  
> swindler! Just want to make sure there is no guilt by association! grin  
>  
60 in SFL and just want to echo Mac's remarks.  
Apparently we can't count, but we're as honest as anyone else...

73,

Bob Patten, N4BP

' ' ' '  
( 0 0 )

Plantation, FL

-----o00o-( )-o00-----

E-Mail: n4bp@bc.seflin.org  
Web Page: <http://www.qsl.net/n4bp>  
Brass Pounder BBS: (954) 472-7715

QRP ARCI #3412

FISTS #7871

ARS #799

SOC #1

Whiners #6

-----  
Date: Fri, 30 Mar 2001 12:29:51 -0600

From: "Stuart Rohre" <rohre@arlut.utexas.edu>  
To: <elecraft@qth.net>, <qrp-l@Lehigh.EDU>  
Subject: [95284] A link to Antenna debugging information  
Message-ID: <007701c0b947\$687ca670\$4e100a0a@rohredt2000>

After several new rig owners lamented their problems with random wire antennas and others, I found this EXCELLENT tech paper on the Force 12 Antennas web site, <http://force12inc.com>.

Debugging An Antenna System, by Tom Schiller N6BT.

Tom is the President of Force 12, who have many innovative beam and compact antenna models. I have heard him recount the DX contest winning operation he did from Jamaica in past years. ("Verticals on the Beach") He definitely knows his antennas and the basics of all antennas, and covers troubleshooting them very well.

This troubleshooting aid, will go a long way to zeroing in many causes of antennas failing "to play". His outline also emphasizes the thing one needs to do in troubleshooting any failing circuit or rig, etc. Change only ONE thing at a time, and keep NOTES on what you do each step!

I write in the margins of my kit manuals, any thing about a test that may be slightly differing from the text. I write clarifying notes, if the directions are vague to my understanding. Keep SWR, Z, and gain figures for each new antenna in your log book, after putting them up for future reference if things seem to change for the worse. The blank backs of the ARRL log book pages are ideal for notes drawings and charts.

72,  
Stuart K5KVH

-----  
Date: Fri, 30 Mar 2001 10:29:37 -0800  
From: Bob Nielsen <nielsen@oz.net>  
To: qrp-l@lehigh.edu  
Subject: [95285] Re: Propagation Chart  
Message-ID: <20010330102937.A1447@oz.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Disposition: inline

I saw a note from Shel, W6EL on the dx usenet group the other day about a program to calculate propatation:

<http://www.qsl.net/w6elprop>

This program will calculate the propagation conditions between any two points on earth and looks really slick -- you enter the latest SFI and K numbers from WWV and it will calculate all sorts of data for you. It also has some nice graphical displays. It is a Windows program, but runs fine on my Linux box in Win4Lin. It even printed out a nice great circle map centered on my location.

It is free for non-commercial use.

72, Bob N7XY

On Fri, Mar 30, 2001 at 04:47:17AM -0700, Karl F. Larsen wrote:

>  
> The price for this wonderful device is only \$8.98 (slightly higher  
> West of the Rocky Mountains). In the old days the Mountain Time Zone was  
> the forgotten area. Football games were turned off in the last quarter!  
>  
> In this case don't worry. The data is so broad you can use either  
> west or central and see which is most accurate over time.  
>  
> On Thu, 29 Mar 2001 mugglesto@ecentral.com wrote:  
>  
> > I'm looking at the propagation chart in 73 mag. it gives the possible  
> > bands to work from point X to country Y. It is in three parts - Eastern  
> > United States to:....Central US to: and Western US to:  
> >  
> > Where does Denver Colorado fit on these charts? Is it far enough WEST to  
> > be western or because it's east of the rockies is it more Central?  
> >  
> > I would imagine it's more of an educated guess in the first place and I'm  
> > probably between the two but I just thought I'd ask.  
> >  
> > de KI00T, Brad  
> >  
> >  
> >  
>  
> Yours Truly,  
>  
> - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

--

Bob Nielsen, N7XY  
Bainbridge Island, WA  
IOTA NA-065, USI WA-028S

nielsen@oz.net  
<http://www.oz.net/~nielsen>

-----

Date: Fri, 30 Mar 2001 10:34:13 -0800  
From: Bob Nielsen <nielsen@oz.net>  
To: qrp-l@lehigh.edu  
Subject: [95286] Re: Solar Activity  
Message-ID: <20010330103413.B1447@oz.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Disposition: inline

On Fri, Mar 30, 2001 at 10:10:50AM -0700, Benedict B. Cruise wrote:  
> Last night about 2130 MST I was listening for DX beacons on 10 meters. The  
> Argentina beacons were coming in loud and strong. No other signals were  
> heard and CQ went unanswered. What a shame. 10 meters open at 9:30pm and  
> no activity.  
> NOLNW

Yeah, I remember during the last sunspot cycle peak listening to 10 one evening and the only signal heard was from a beacon in the Indian Ocean!

--

Bob Nielsen, N7XY  
Bainbridge Island, WA  
IOTA NA-065, USI WA-028S

nielsen@oz.net  
<http://www.oz.net/~nielsen>

-----  
Date: Fri, 30 Mar 2001 12:54:33 -0600  
From: "Kevin Muenzler, WB5RUE" <wb5rue@arrl.net>  
To: "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>  
Subject: [95287] QST yet  
Message-ID: <000001c0b94a\$dbc149d0\$ef5d6f81@v8.uthscsa.edu>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Anyone got their April QST yet?

Kevin, WB5RUE

-----  
Date: Fri, 30 Mar 2001 15:13:11 -0500  
From: "Upton, Shawn" <SUpton@ALLEGROMICRO.com>  
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>  
Subject: [95288] FW: Century 21 Low Power Fix  
Message-ID: <E1F0152638DBD311AEF700D0B74455E21E35B4@EXCHANGE\_NH>

MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Not sure if this went through the first time...

> Found either the problem last night, or I fixed the problem. The 2N3055  
> pass transistor in the 12.5V regulator was not functioning properly.  
> Replaced it and the radio operates just like it should. Even wired the  
> transistor up properly (previous owner got it wrong apparently).  
>  
> Sidetone is good, cranks out 30W easily. If anything, the power supply  
> isn't tripping on overcurrent conditions (too much power output), so I'll  
> have to poke around in there on that. Thanks to all who responded.  
>  
> On a last note, though, I noticed this pass transistor generates way more  
> heat than the finals do! On the bench, into a dummy load, at 20-30W, 10  
> seconds key down/10 seconds key up, for about a minute, the heatsink for  
> the finals barely warmed up, while the metal around the regulator was  
> getting quite warm to the touch. Now, I know that on tx, it should be  
> drawing 5-6 amps (trip on the supply is supposed to be 6 amps), and the  
> pass transistor is regulating 23V to 12.5, thus generating 50 some-odd  
> watts, so heat should be expected. And I suppose that the finals should  
> kick out about 20-30W of heat. I guess the factory didn't heatsink the  
> right part.  
>  
> Shawn Upton, KB1CKT  
> Product Development Engineer - Sensors  
> Allegro MicroSystems, Inc  
> Concord, NH  
> 603.228.5533 ext. 429  
>  
>

-----  
Date: Fri, 30 Mar 2001 12:58:12 -0700 (MST)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: "Kevin Muenzler, WB5RUE" <wb5rue@arrl.net>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [95289] Re: QST yet  
Message-ID: <Pine.LNX.4.31.0103301258010.1504-100000@cannac.ampr.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Yep got mine.

On Fri, 30 Mar 2001, Kevin Muenzler, WB5RUE wrote:

> Anyone got their April QST yet?  
>  
> Kevin, WB5RUE  
>  
>

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

-----  
Date: Fri, 30 Mar 2001 13:07:20 -0700 (MST)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: Bob Nielsen <nielsen@oz.net>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [95290] Re: Propagation Chart  
Message-ID: <Pine.LNX.4.31.0103301305180.1504-100000@cannac.ampr.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Bob, I was unaware that you too are a Linux geek. I have tried wine several times but had poor results running the few windoz programs I like. Where do you get Win4Lin?

On Fri, 30 Mar 2001, Bob Nielsen wrote:

> I saw a note from Shel, W6EL on the dx usenet group the other day about  
> a program to calculate propatation:  
>  
> <http://www.qsl.net/w6elprop>  
>  
> This program will calculate the propagation conditions between any two  
> points on earth and looks really slick -- you enter the latest SFI and  
> K numbers from WWV and it will calculate all sorts of data for you. It  
> also has some nice graphical displays. It is a Windows program, but  
> runs fine on my Linux box in Win4Lin. It even printed out a nice great  
> circle map centered on my location.  
>  
> It is free for non-commercial use.  
>  
> 72, Bob N7XY  
>



> On Fri, Mar 30, 2001 at 04:47:17AM -0700, Karl F. Larsen wrote:  
> >  
> > The price for this wonderful device is only \$8.98 (slightly higher  
> > West of the Rocky Mountains). In the old days the Mountain Time Zone was  
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> > >  
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> > > be western or because it's east of the rockies is it more Central?  
> > >  
> > > I would imagine it's more of an educated guess in the first place and I'm  
> > > probably between the two but I just thought I'd ask.  
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> > > de KI00T, Brad  
> > >  
> > >  
> > >  
> > >  
> > >  
> > Yours Truly,  
> >  
> > - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -  
>  
> --  
> Bob Nielsen, N7XY nielsen@oz.net  
> Bainbridge Island, WA http://www.oz.net/~nielsen  
> IOTA NA-065, USI WA-028S  
>  
>

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

-----  
Date: Fri, 30 Mar 2001 13:01:35 -0800 (PST)  
From: Daniel Bartlett <ausham@yahoo.com>  
To: qrp-l@Lehigh.EDU  
Subject: [95291] Public Electronics Circuit Archive

Message-ID: <20010330210135.15398.qmail@web1203.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Hello everyone,

I have created a website, called the Public Electronics Circuit Archive, where people can submit their own electronics circuits, designs and ideas for others to look at, build, modify or redesign to their heart's content.

No-one gets paid, anyone can use it, and every circuit and idea becomes free-gratis public property, so everyone benefits.

The circuits are categorised, (currently 13 categories from Audio to Toys), and there is a public forum for electronics hints and tips that spring to people's minds from time to time.

So, if you would like to take a look (only a few circuits yet, the site is brand new, so please get designing!!), please visit,  
<http://www.publicelectronics.cjb.net>

Thanks and Regards,

Dan Bartlett  
Public Electronics Circuit Archive Webmaster

---

Do You Yahoo!?  
Get email at your own domain with Yahoo! Mail.  
<http://personal.mail.yahoo.com/?refer=text>

---

Date: Fri, 30 Mar 2001 13:19:28 -0800  
From: <schoon@amgt.com>  
To: <qrp-1@Lehigh.EDU>, <k5di@zianet.com>  
Subject: [95292] RE: Propagation Chart  
Message-ID: <c=US%a=\_%p=American\_Geotech%l=AG-CALCITE-BDC-010330211928Z-219@ag-basalt-pxy.amgt.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Does the L in QRP-L mean Linux?? :)

72 de fellow Linux geek....

.mark

>-----

>From: Karl F. Larsen[SMTP:k5di@zianet.com]

>Sent: Friday, March 30, 2001 12:07 PM

>To: Low Power Amateur Radio Discussion

>Subject: Re: Propagation Chart

>

>

>Hi Bob, I was unaware that you too are a Linux geek. I have tried wine  
>several times but had poor results running the few windoz programs I like.  
>Where do you get Win4Lin?

>

>

>On Fri, 30 Mar 2001, Bob Nielsen wrote:

>

>> I saw a note from Shel, W6EL on the dx usenet group the other day about  
>> a program to calculate propatation:

>>

>> <http://www.qsl.net/w6elprop>

>>

>> This program will calculate the propagation conditions between any two  
>> points on earth and looks really slick -- you enter the latest SFI and  
>> K numbers from WWV and it will calculate all sorts of data for you. It  
>> also has some nice graphical displays. It is a Windows program, but  
>> runs fine on my Linux box in Win4Lin. It even printed out a nice great  
>> circle map centered on my location.

>>

>> It is free for non-commercial use.

>>

>> 72, Bob N7XY

>>

>> On Fri, Mar 30, 2001 at 04:47:17AM -0700, Karl F. Larsen wrote:

>> >

>> > The price for this wonderful device is only \$8.98 (slightly higher  
>> > West of the Rocky Mountains). In the old days the Mountain Time Zone was  
>> > the forgotton area. Football games were turned off in the last quarter!

>> >

>> > In this case don't worry. The data is so broad you can use either  
>> > west or central and see which is most accurate over time.

>> >

>> > On Thu, 29 Mar 2001 mugglesto@ecentral.com wrote:

>> >

>> > > I'm looking at the propagation chart in 73 mag. it gives the possible

>> > > bands to work from point X to country Y. It is in three parts -  
>>Eastern  
>> > > United States to:....Central US to: and Western US to:  
>> > >  
>> > > Where does Denver Colorado fit on these charts? Is it far enough WEST  
>>to  
>> > > be western or because it's east of the rockies is it more Central?  
>> > >  
>> > > I would imagine it's more of an educated guess in the first place and  
>>I'm  
>> > > probably between the two but I just though I'd ask.  
>> > >  
>> > > de KI00T, Brad  
>> > >  
>> > >  
>> > >  
>> >  
>> > Yours Truly,  
>> >  
>> > - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -  
>>  
>> --  
>> Bob Nielsen, N7XY nielsen@oz.net  
>> Bainbridge Island, WA http://www.oz.net/~nielsen  
>> IOTA NA-065, USI WA-028S  
>>  
>>  
>  
>Yours Truly,  
>  
> - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -  
>  
>  
>

-----  
Date: Wed, 28 Mar 2001 15:23:01 -0600  
From: w6ors@juno.com  
To: qrp-l@Lehigh.EDU  
Subject: [95293] Re: Gound mounted Vert. question  
Message-ID: <20010330.134622.-275115.2.w6ors@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

3-28-01

Bill,

I've got a question for you on this subject.

My vertical is mounted on the edge and up at the peak of the roof... and the roof is tin. I mounted the radials UNDER the eaves and attached them to the bumper mount used as a base. Now I'm told that the radials should be mounted ABOVE the tin roof to be most effective. What say you?

73,

Corky W6ORS

On Wed, 28 Mar 2001 04:41:36 EST K5BDZ@aol.com writes:

> In a message dated 03/27/2001 8:59:58 PM Central Standard Time,  
> tmccullo@suffolk.lib.ny.us writes:  
>  
> << Is laying one seven conductor ribbon the same as laying seven  
> separate  
> radials? So then, if you were to put four of these ribbons down,  
> would you  
> have 28 radials? >>  
> Tom  
> Yes, that's basically it. One radial for each band cut (7 bands)  
> per ribbon,  
> and for four ribbons, it would be 28 radials equivalent.  
> I too use Dave Gauding's ribbon-radial with vertical scheme on my  
> StL  
> Vertical and other wierd antenna-wire-over-the-branch schemes and  
> I'm pleased  
> with the radials performance and portability. In fact I just  
> donated a  
> half-dozen boxes of ribbon wire to the HQRP group to make radials  
> for  
> themselves and field day and.....  
> Bill K5BDZ (Houston)  
>

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<http://dl.www.juno.com/get/tagj>.

Date: Fri, 30 Mar 2001 14:40:14 -0800

From: Russ Carpenter <russ@natworld.com>

To: QRP-L List <qrp-l@lehigh.edu>

Subject: [95294] Reminder for THE APRIL SPARTAN SPRINT

Message-ID: <B6EA4B4E.6E55%russ@natworld.com>

Mime-version: 1.0

Content-type: text/plain; charset="US-ASCII"

Content-transfer-encoding: 7bit

The April Spartan Sprint will be held on Monday, April 2, 2001 (which is our standard date--the first Monday of the month). You may operate on any one or more of five bands--80, 40, 20, 15, and 10 meters. Don't worry if your station is a bit obese. We commend the winners in two categories--points (the Tubby Division), and points per pound (the Skinny Division).

If you are a newcomer to the Sprints, take a look at the introductory material at the end of this post.

1. Start at 9:00 PM EST, 8:00 CST, 7:00 MST and 6:00 PST. Finish at 11:00 PM EST, 10:00 CST, 9:00 MST and 8:00 PST. In terms of UTC, start at 0200 and finish at 0400.
2. The frequencies will be 3560+- kHz, 7040 kHz+-, 14060 kHz+-, 21060 kHz+-, and 28060 kHz+-. (You may operate any number of bands--your choice.)
3. Exchange RST, SPC (state, province or country) and power output.
4. If you choose to call CQ, use the format "CQ SP," or "CQ QRP TEST."
5. You can take credit for working the same station on a second, third, or fourth band.

After the contest, we invite you to use our autolog, which is part of the ARS Sojourner. Just go to [www.natworld.com/ars](http://www.natworld.com/ars) and follow the link for "Direct access to autologs". Or you can speed things up by going directly to the Spartan Sprint autolog page at [www.natworld.com/ars/ss\\_log.html](http://www.natworld.com/ars/ss_log.html).

"Station Weight" is defined as the combined weight of all transmitters, receivers, keys, keyers and batteries used during the Sprint. We use decimal pounds, rather than pounds and ounces. You may report your weight to the nearest 10th of a pound, or, at your option, the nearest 100th of a pound. For stations weighing less than one pound, we recommend the nearest 100th of a pound.

If you don't have access to the web, send Russ Carpenter, AA7QU, an e-mail with your total QSOs and the total weight of your station. You may also include your comments from the soapbox. Russ' email address is [russ@natworld.com](mailto:russ@natworld.com).

We publish results for each Spartan Sprint on the Thursday following the Sprint. This may be the world's quickest contest reporting! Please send us your log as soon as possible, but in no event later than Wednesday afternoon.

\*\*\*\*\*

The Spartan Sprint is based on a simple but stimulating concept. We are encouraging all of you to cobble together the kind of station you'd use in a portable environment--lightweight transceiver, keyer, key, and battery. Then put that turkey on the air, and participate in a two hour sprint.

All operators are invited to play, whether or not they are members of Adventure Radio Society. Even if you don't have lightweight equipment, your participation will be rewarding, both for you and the other participants. We'll report the score in two different formats--absolute scores, and points per pound of station weight. So you can get your kicks from running up a magnificent score, or achieving an remarkable ratio of points per pound.

If you're thinking about becoming a member of Adventure Radio Society, just send Richard Fisher (our membership chairman) an e-mail expressing your interest. Richard's e-mail address is KI6SN@aol.com. Membership is free, and the organization has a great group of men and women who combine their love of ham radio with their affection for the outdoors. You don't need to be a macho person; ARS welcomes people of all ages and levels of ability.

Russ Carpenter, AA7QU, Contest Manager

russ@natworld.com

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Date: Fri, 30 Mar 2001 14:51:48 -0800 (PST)  
From: agtaylor@llnl.gov  
To: qrp-1@lehigh.edu  
Subject: [95295] QRP in the desert  
Message-ID: <200103302251.0AA21570@poptop.llnl.gov>  
MIME-Version: 1.0  
Content-Type: TEXT/plain; CHARSET=US-ASCII

Had a great outing to the desert country of SE Utah from 23 to 28th of March. Poor antenna siting at our second camping site precluded setting up and operating there. The first site, on Cedar Mesa, did yield some good contacts although operating time was limited. We were having so much fun exploring and hiking! Thanks to all who called, especially those in the last 20 minutes of the Homebrew Sprint. We had forgotten completely about it! Managed about 15 Qs, though.

See you in QRPTTF next month!

Allan K7GT

--

Allan G Taylor

agtaylor@llnl.gov

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End of QRP-L Digest 2143

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